

EAST - [john.wsp:1]

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Drafts

BRS:

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Active

L1: (3) "6458860"

L2: (6) ("6458860") or ("5239041") or ("2005002677")

L3: (8317) mannich

L4: (1) 12 and 13

L5: (1328) mannich near2 condensats

L6: (293965) amino adj acid

L7: (11) 15 same 16

L8: (9773) sarcosine

L9: (1) 17 and 18

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6. The process of claim 3 wherein x in the formula is a carboxylic acid group.

7. The process of claim 4 wherein R.sub.1 and R.sub.2 in the formula are selected from the group consisting of lower alkanol groups having from 2 to 4 carbon atoms, and lower alkyl groups having from 1 to 3 carbon atoms, or are combined to form a morpholino, imidazolo, or piperidinyl group.

8. The process of claim 5 wherein n and m in the formula are 0.

9. The process of claim 5 wherein R.sub.5 is hydrogen, Q is 1, and R.sub.6 in the formula is a phenyl group.

10. The process of claim 9 wherein R.sub.6 in the formula is hydrogen.

11. In a process for polymerizing a urethane forming composition comprising a polyisocyanate and polyol in the presence of from about 0.005 to about 0.5 parts of an organo tin catalyst per 100 parts polyol, the improvement which comprises including from about 0.1 to about 5 parts of an amino catalyst per 100 parts polyol, the amino catalyst being a Mannich Adduct reaction product of a secondary amine selected from the group consisting of lower alkanol amines with the alkanol portion having from 2-4 carbon atoms, morpholine, piperidine and imidazole; an aldehyde selected from the group consisting of formaldehyde and benzaldehyde; and malonic acid.

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	U	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P	
2	<input type="checkbox"/>	US 6319891 B1	20011120	19	Haze free oil additive compositions containing	508/463	508/503		Coolbaugh; Thomas S. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	US 6248702 B1	20010619	20	Dispersant and dispersant viscosity index improvers	508/189	44/314; 44/331;		Coolbaugh; Thomas S. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	US 6228817 B1	20010508	20	Dispersants and dispersant viscosity index improvers	508/185	508/189; 525/327.7;		Coolbaugh; Thomas S. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input checked="" type="checkbox"/>	US 6215033 B1	20010410	21	Dispersants and dispersant viscosity index improvers	585/12	508/250; 508/287;		Coolbaugh; Thomas S. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input checked="" type="checkbox"/>	US 6162768 A	20001219	19	Dispersants and dispersant viscosity index improvers	508/189	44/314; 44/432;		Coolbaugh; Thomas S. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	US 6103676 A	20000815	19	Dispersants and dispersant viscosity index improvers	508/452	508/543; 508/558;		Coolbaugh; Thomas S. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input checked="" type="checkbox"/>	US 6090905 A	20000718	14	Compositions and methods for controlling stickies	528/114	162/157.1; 162/157.2;		Juzukonis; Walter A. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	US 6054539 A	20000425	17	Selectively hydrogenated polymer compositions:	525/332.8	525/338; 525/339		Coolbaugh; Thomas S. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input checked="" type="checkbox"/>	US 6034184 A	20000307	19	Dispersants and dispersant viscosity index improvers	525/327.7	525/332.8; 525/338;		Coolbaugh; Thomas S. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	US 4086213 A	19780425	10	Tertiary amino acid and tertiary amino acid-nitrile	528/52	521/118; 521/126;		Bechara; Ibrahim S. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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BRS:

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L2: (103871) glycol

L3: (14426) formic adj acid

L4: (1) 11 and 12 and 13

L1: (5) mannich same condensate same amino same acid

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high-molecular material.

35. The high-molecular flocculant as claimed in claim 30 wherein a high-molecular material containing not less than 15 mol % of the total monomer units is used as said high-molecular material.

36. A method for processing water comprising: charging into water for processing a high-molecular flocculant comprised of a high-molecular material at least a portion of cyano groups of which has been converted into carbamoyl groups.

37. The method for water processing as claimed in claim 36 wherein said high-molecular flocculant is used in conjunction with at least one of a nonionic high-molecular flocculant, an anionic high-molecular flocculant and a cationic high-molecular flocculant.

38. The method for water processing as claimed in claim 37 further comprising: sequentially charging said high-molecular flocculant and the anionic high-molecular flocculant into the water for processing.

39. The method for water processing as claimed in claim 36 further comprising: charging into the water for processing the high-molecular flocculant a further portion of carbamoyl groups of which have been converted into carboxylic groups or salts thereof.

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	U	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P	2	3
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> US 20050026775 A1	20050203	7	Organic anion catalyst system for foams	502/155	521/99		Grigsby, Robert A. JR. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> US 20040244975 A1	20041209		Method for reducing or completely eliminating water	166/276			Heier, Karl Heinz et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> US 20040171706 A1	20040902		High molecular weight flocculant	521/40.5			Inagaki, Yasuhito et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> US 20040171705 A1	20040902		Method for producing a high-molecular weight	521/40.5	525/379; 525/380		Inagaki, Yasuhito et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> US 20030018092 A1	20030123	17	High-molecular flocculant, method for producing the	521/40.5	525/379; 525/380		Inagaki, Yasuhito et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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